

1 2 3 4 5 6 7 8 9 10 11 12 13

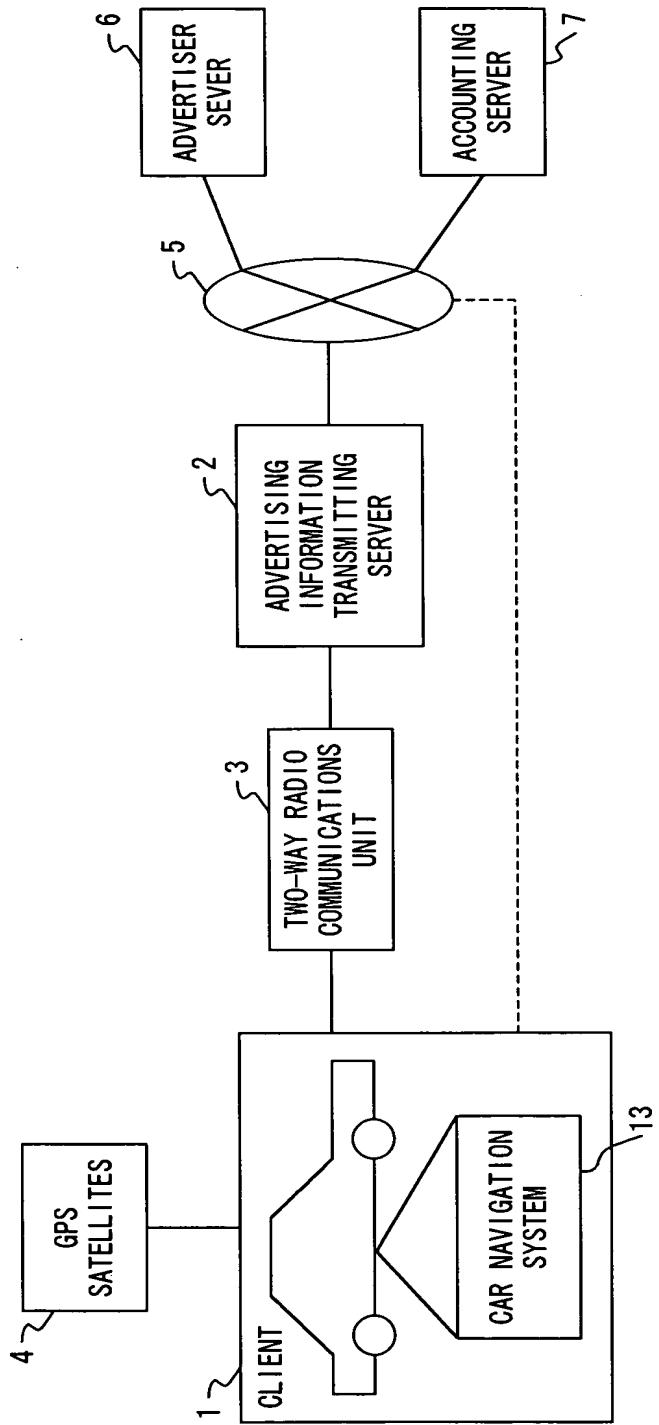
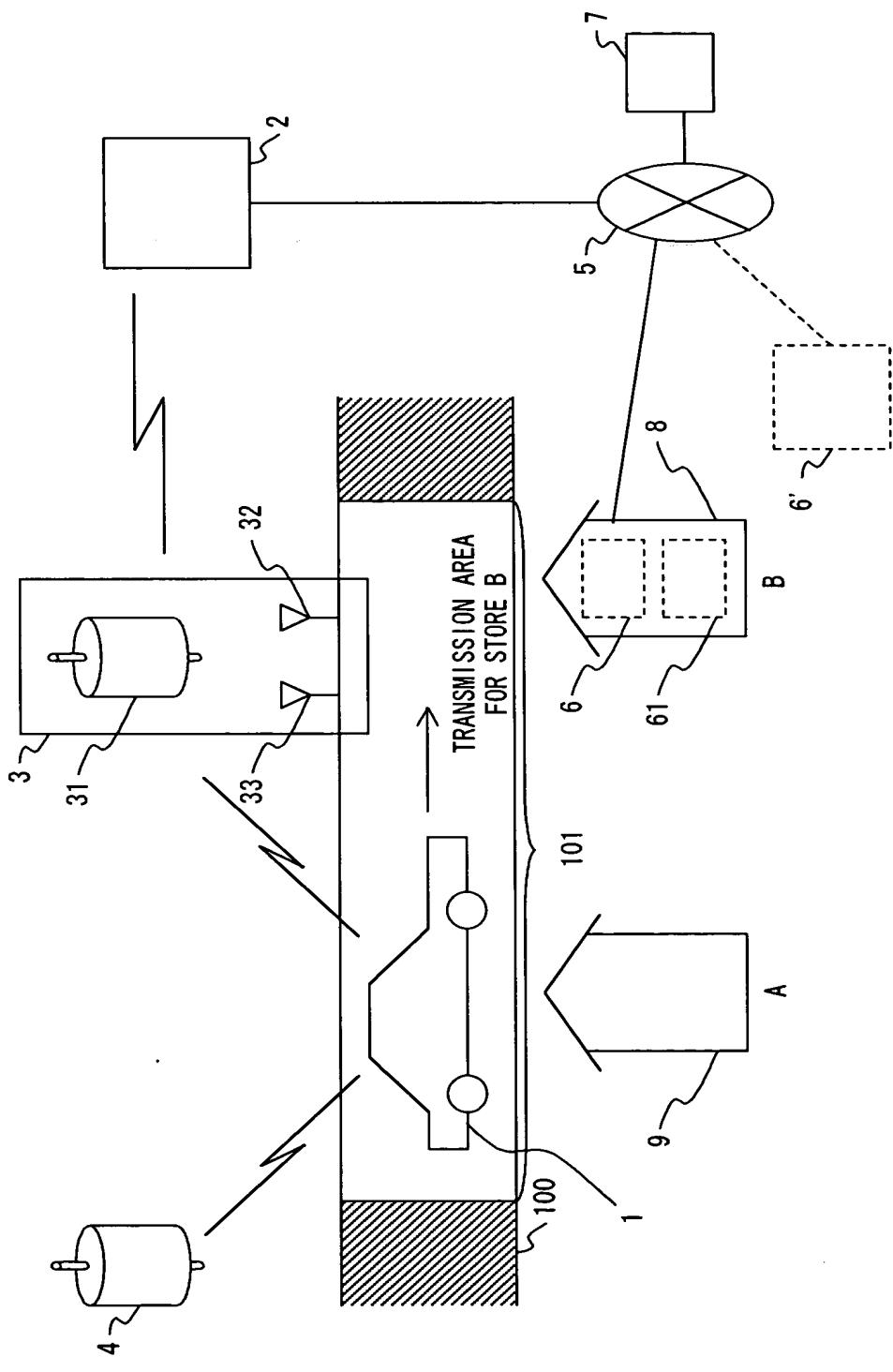
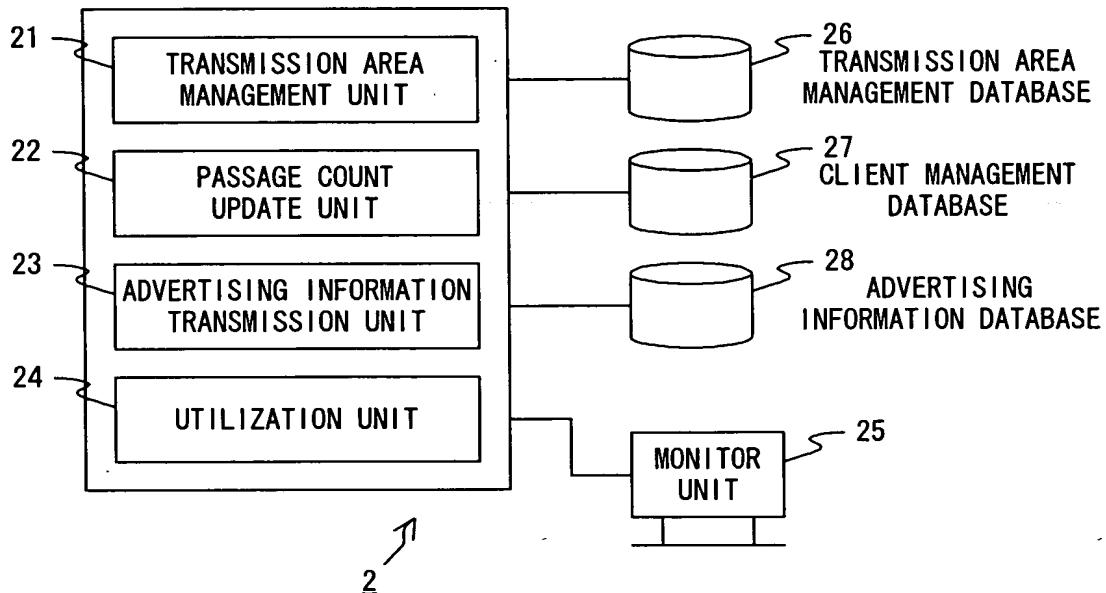


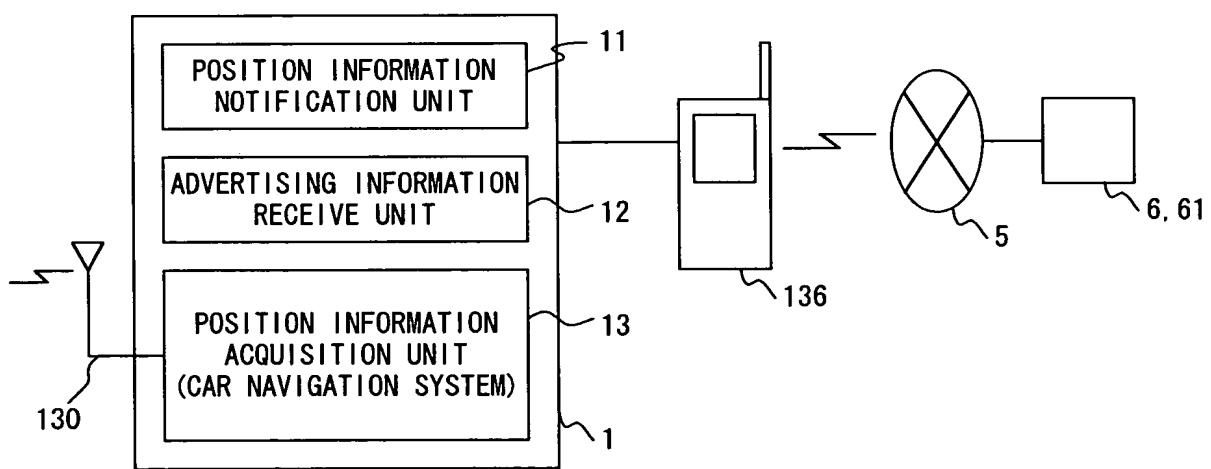
FIG. 1

**F I G. 2**





F I G. 3 A



F I G. 3 B

FIGURE F FIGURE F FIGURE F FIGURE F FIGURE F FIGURE F

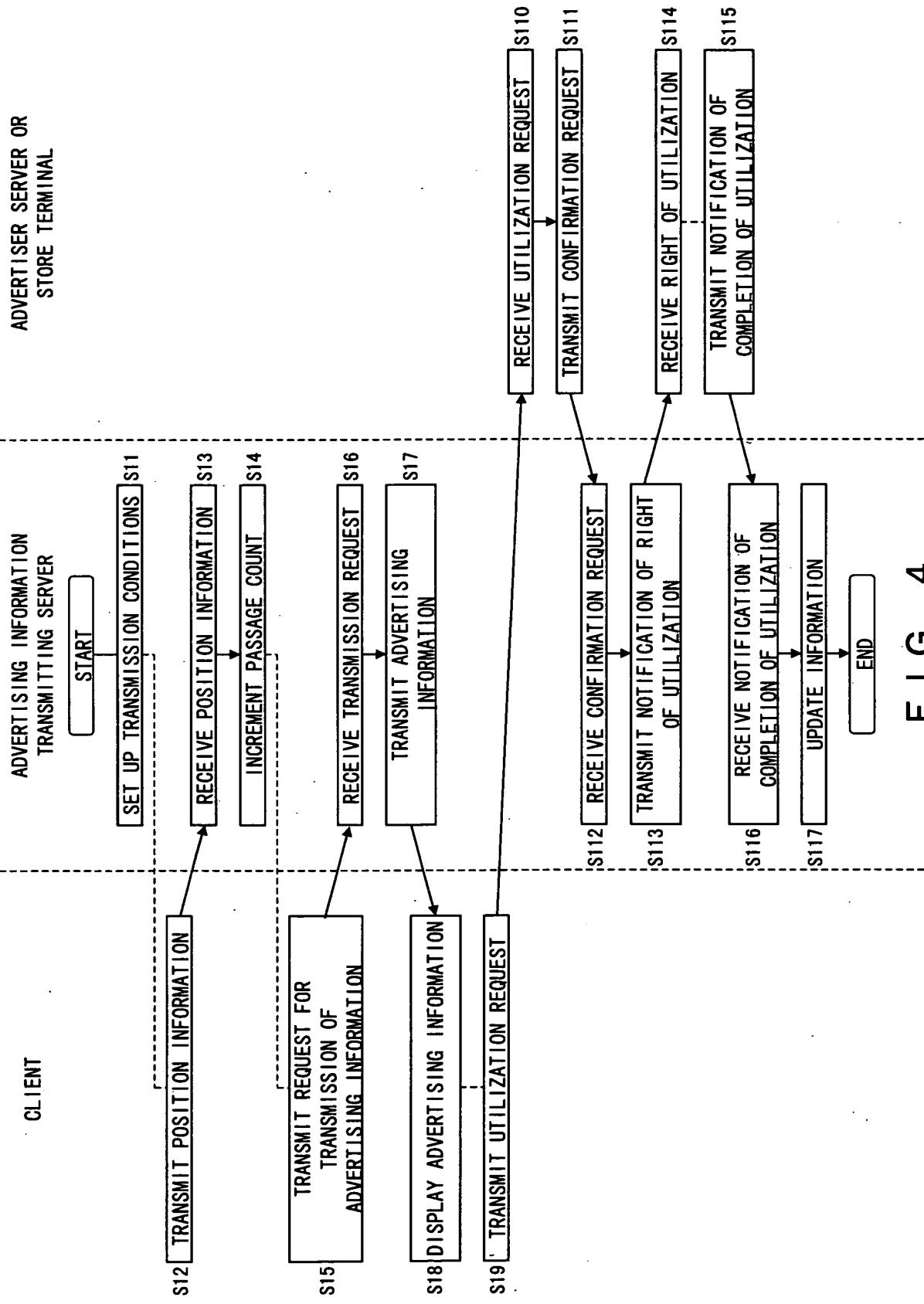
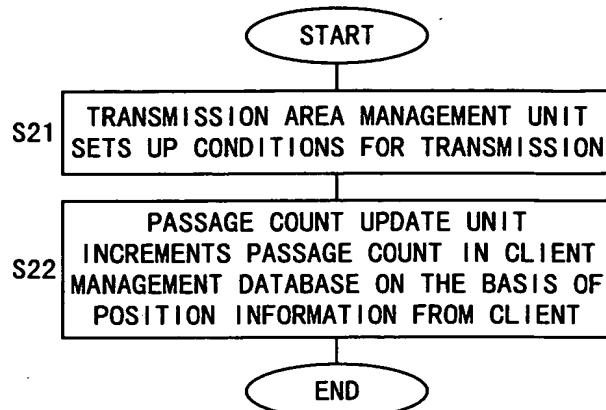
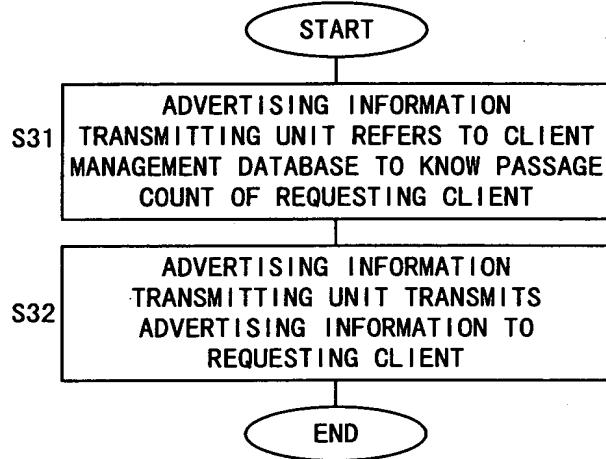


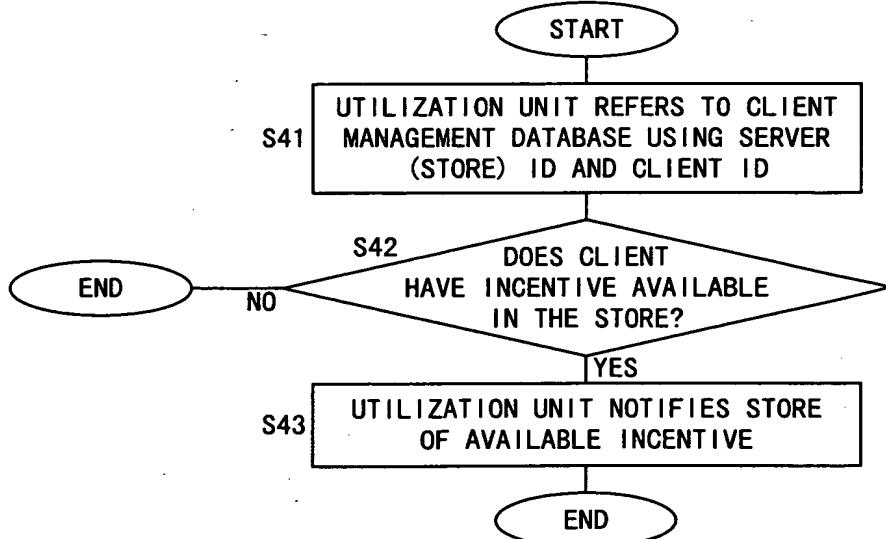
FIG. 4



**FIG. 5 A**



**FIG. 5 B**



**FIG. 5 C**

ROAD	INTERVAL	STORE INFORMATION	INCREMENT	UTILIZATION INFORMATION
ROUTE 1	AA-BB	XX RESTAURANT	1	DISCOUNT OF 500 YEN FOR COUNT OF 20
ROUTE 1	CC-DD	ZZ BOOK STORE	1	DISCOUNT OF 100 YEN FOR COUNT OF 30
...				

FIG. 6 A

ROAD	INTERVAL	TIME PERIOD	STORE INFORMATION	INCREMENT	UTILIZATION INFORMATION
ROUTE 1	AA-BB	0~12' CLOCK 12~24' CLOCK	XX RESTAURANT AA BOOK STORE	1 1	DISCOUNT OF 500 YEN FOR COUNT OF 20 DISCOUNT OF 100 YEN FOR COUNT OF 40
	CC-DD				

FIG. 6 B

USER ID	STORE INFORMATION	COUNT	FLAG
A001	XX RESTAURANT	25	0
...			
A002	ZZ BOOK STORE	18	1
...			

FIG. 6 C

FIG. 6 D

USER ID	STORE INFORMATION	COUNT	PASSAGE HISTORY
A001	XX RESTAURANT	25	t1, t2 ...
...			
A002	ZZ BOOK STORE	18	t3, t4 ...
...			

FIG. 6 E

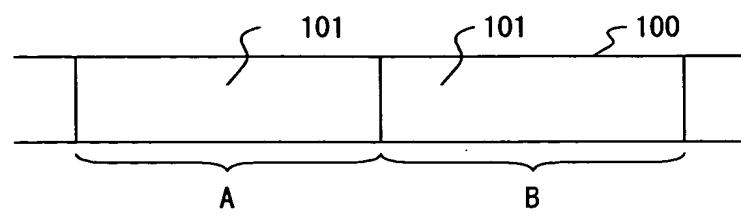


FIG. 7 A

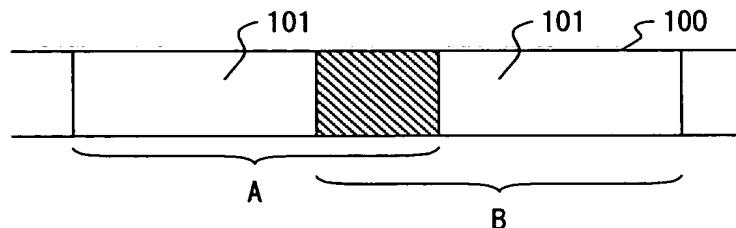


FIG. 7 B

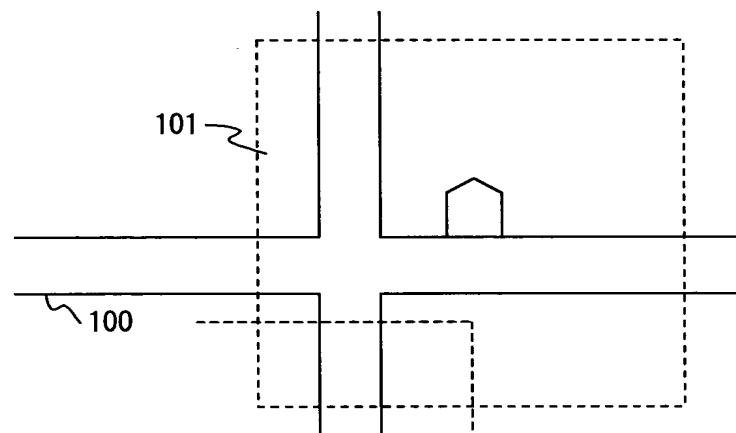


FIG. 7 C

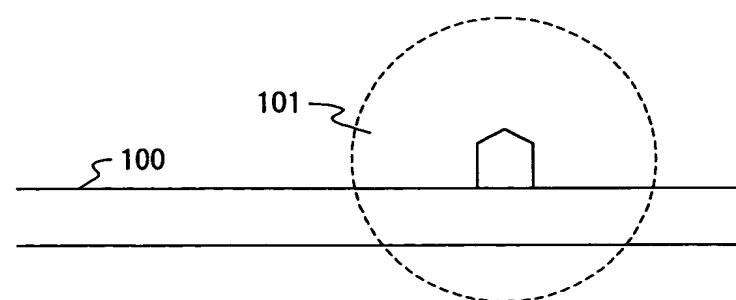
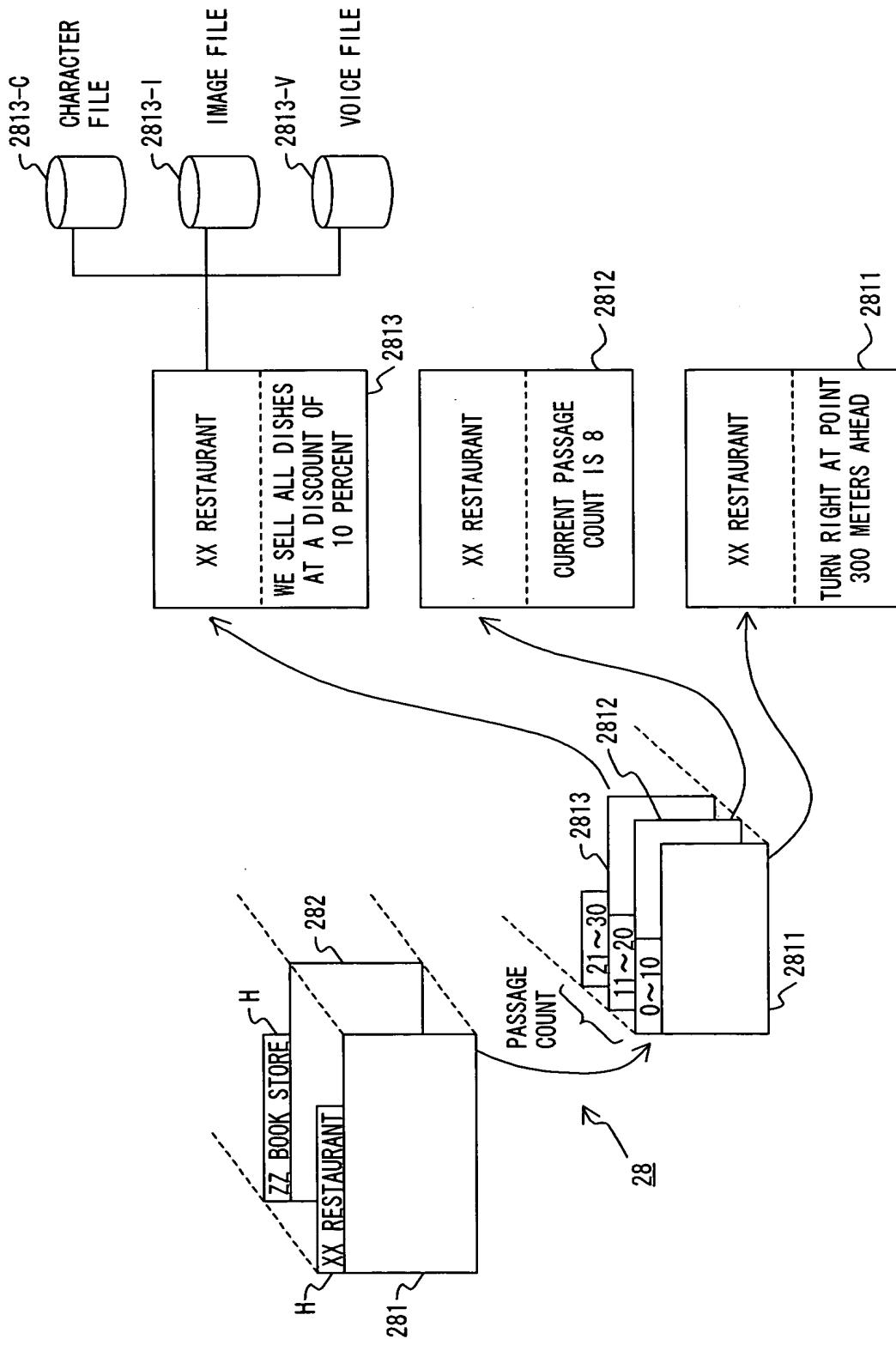
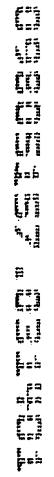
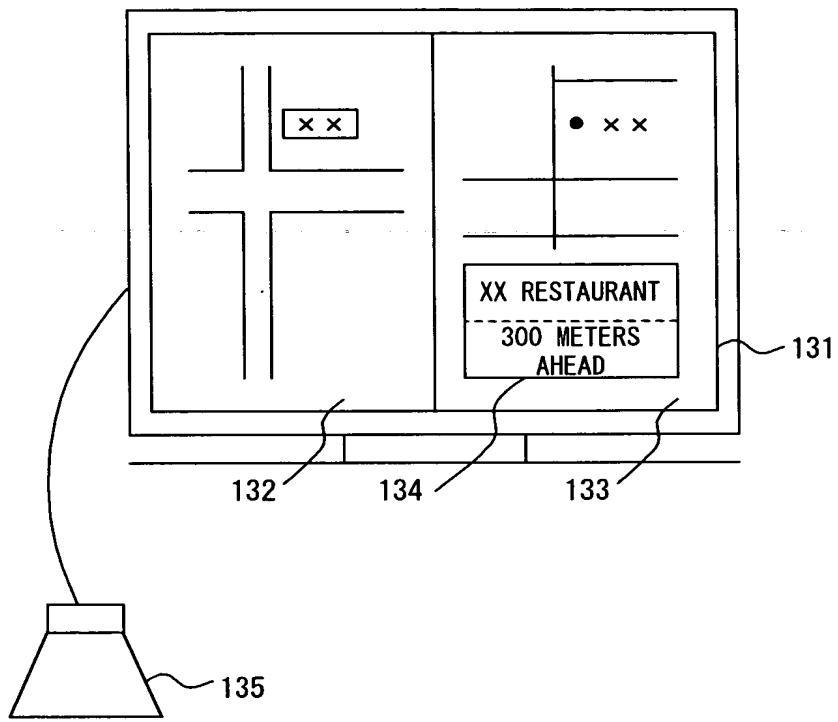


FIG. 7 D

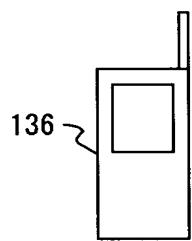


8  
G.  
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F

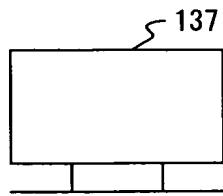
00000000000000000000000000000000



F I G. 9 A

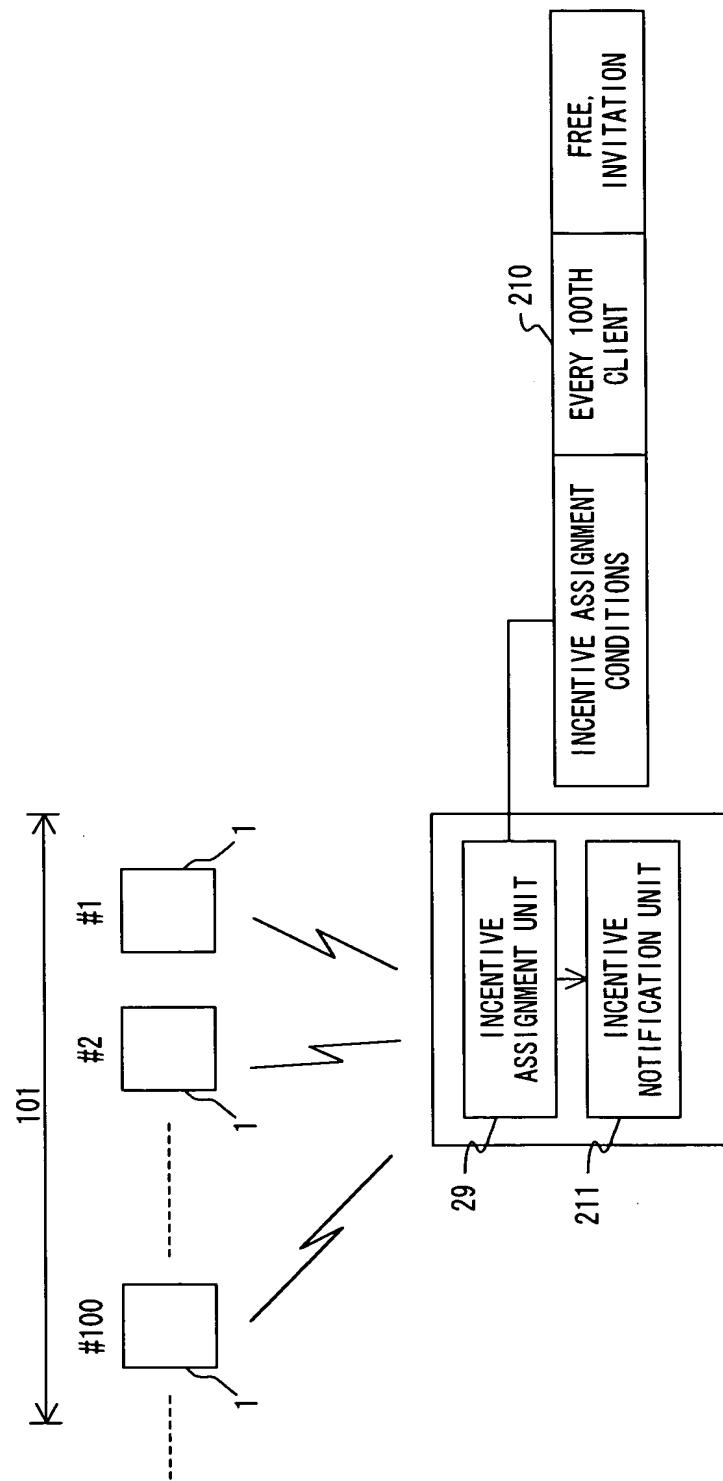


F I G. 9 B



F I G. 9 C

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0



F I G . 1 0

FIGURE 11

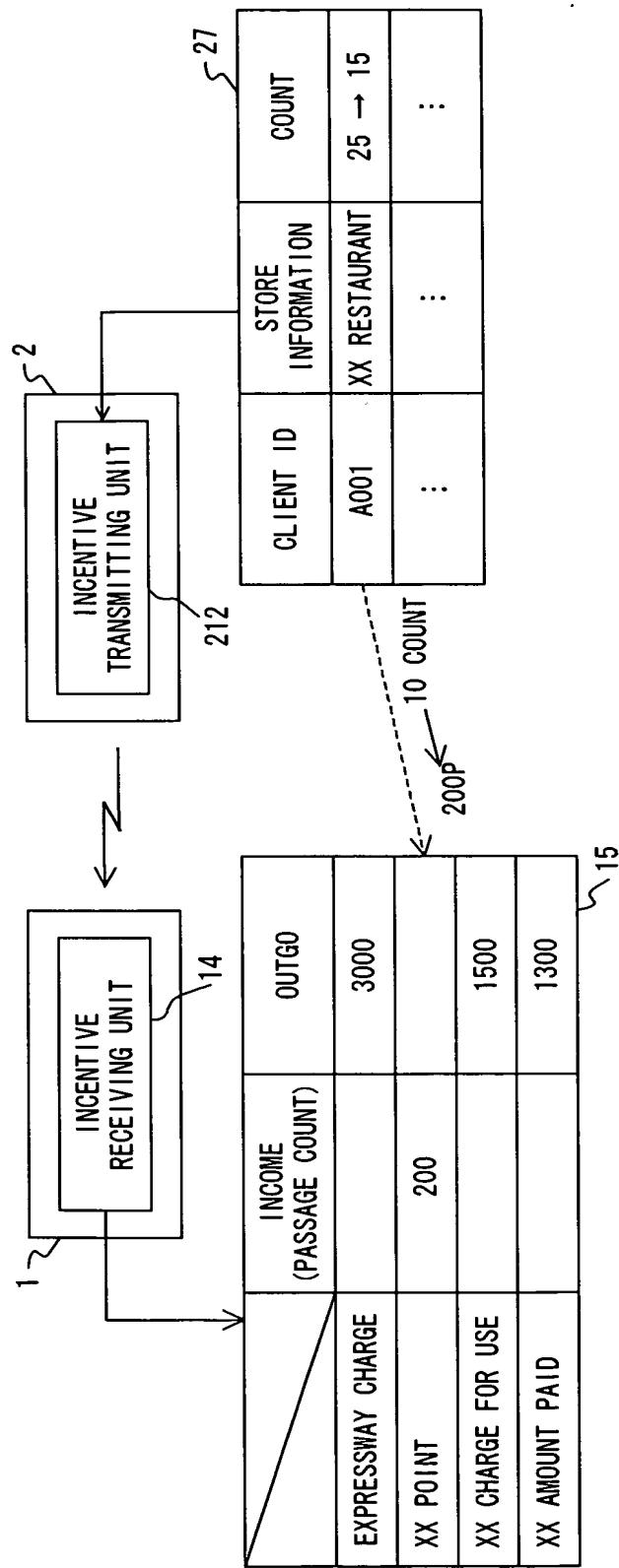
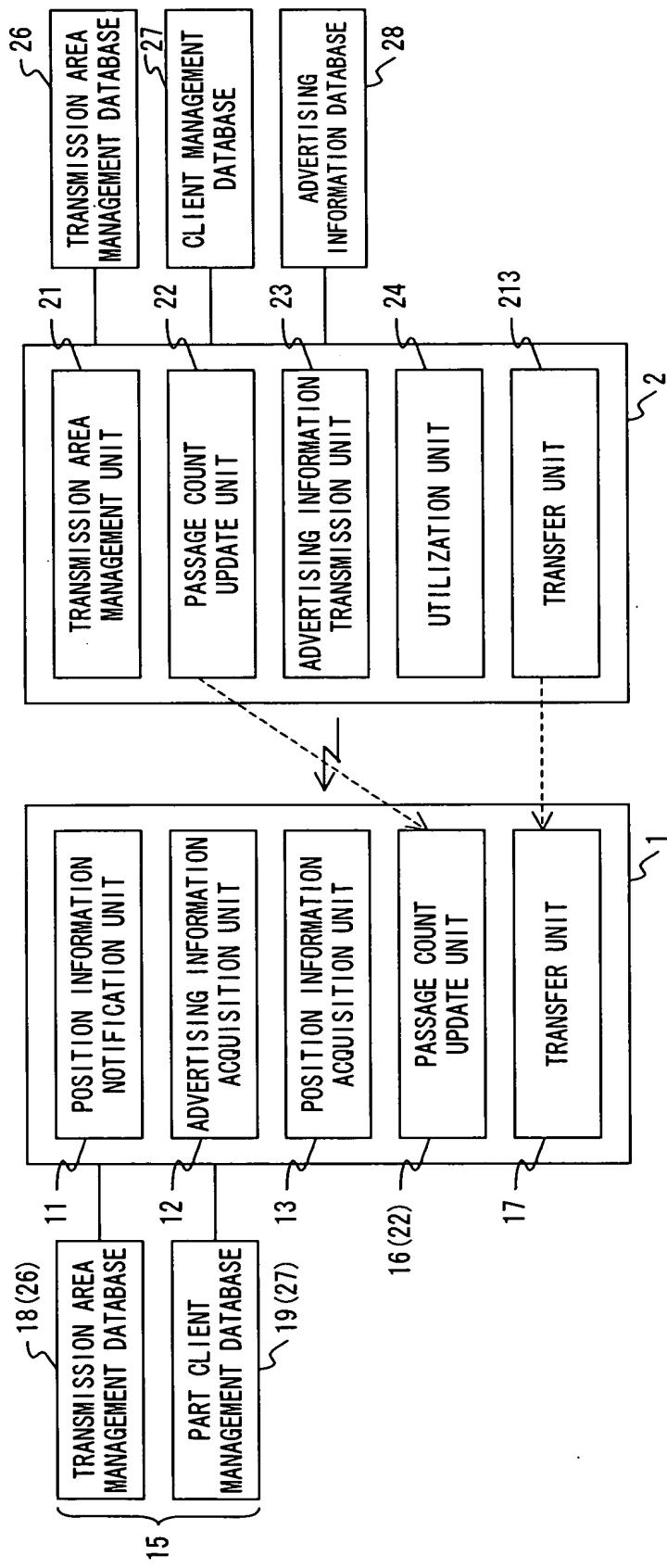


FIG. 11



F I G . 1 2